

# Bhutan solar energy for the environment



## Overview

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The Royal Government of Bhutan (RGoB), through the Ministry of Energy and Natural Resources (MoENR), has partnered with the International Solar Alliance (ISA) to implement the National Solar Energy Roadmap (2025-2040) and the Country Partnership Strategy (CPS) 2025-2029. Bhutan has launched its National Solar Energy Roadmap to diversify its energy sources and bolster energy security amid rising electricity demand. This landmark initiative positions solar power as a vital step toward achieving energy self-sufficiency by 2025, a goal that aligns with the kingdom's. As Bhutan's glaciers melt and hydropower becomes increasingly vulnerable to climate change, the Kingdom is turning its face toward the sun—literally. Bhutan's leading renewables company Druk Green Power Corporation (DGPC) has signed a memorandum of understanding with IPCL to install 1,000 solar panels by 2029 and reach a target of 5,000 solar panels by 2040. IPCL is emerging as a regional leader in renewable energy, with an ambitious push to expand solar. This initiative is part of IPCL's larger plan to add 1.5 GW of solar capacity in Bhutan over five years, addressing the nation's growing energy demand and its target of 5,000 MW from solar by 2034. India Power Corporation Limited.

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### DGPC-CRPL MoU Targets 100-250 MW Hydropower And Solar ...

The partnership will focus on hydropower and solar projects with capacities ranging between 100 MW and 250 MW. The MoU signing ceremony was attended by Lyonpo Gem Tshering, ...

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### Harnessing Bhutan's solar potential with market-driven solutions

The US\$210,000 project marked the start of Bhutan's quest to tap into its 12GW solar energy potential, essential for enhancing national energy security and to always remain carbon neutral.



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### A Comprehensive Review of Bhutan's National Energy Policy 2025

Drawing from royal addresses by His Majesty Jigme Khesar Namgyel Wangchuck, the policy emphasizes hydropower as a "precious resource" while advocating for expansion into solar, ...

## Bhutan to develop new solar, hydropower projects

Bhutan's Druk Green Power Corporation and India's Carbon Resources Private Limited have agreed to collaborate on new solar and hydropower projects in Bhutan with capacities between ...



## Assessment of solar energy generation potential in Western Bhutan - ...

To address the growing electricity demand in the country, solar energy can be a diversification of Bhutan's renewable energy to address domestic energy security and global ...

## Bhutan's Solar Energy Roadmap: A Path to Energy Security

Bhutan unveils its National Solar Energy Roadmap, leveraging solar plants and renewable energy to bolster energy security and achieve self-sufficiency by 2025.



## Bhutan's Biggest Solar Project Yet: A Giant Leap Toward Energy ...



This project not only marks Bhutan's entry into utility-scale solar energy but also reflects its commitment to climate resilience and sustainable development. The Renewable Energy Management Master ...

### India Power Corporation Limited to develop 70 MW solar project in ...

India Power Corporation Limited (IPCL) has announced a partnership to develop a 70 MW solar power project in Bhutan's Paro district, aiming to increase solar capacity in the region as ...



### Bhutan Accelerates Solar Energy Drive With National Roadmap - BHUTAN TODAY

Solar energy offers a cost-effective, rapid, and sustainable complement, ensuring reliable energy supply throughout the year. By combining large-scale infrastructure with decentralized and community ...

### Bhutan - Solar Power

Bhutan, a carbon-negative country, faces a growing threat to its environment due to climate change. Accelerated glacial melt and unpredictable river flows are impacting hydropower generation, the ...



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